

Title (en)  
Helical conveyor

Title (de)  
Spiralförderer

Title (fr)  
Transporteur hélicoïdal

Publication  
**EP 0685414 B1 19971022 (DE)**

Application  
**EP 95103906 A 19950317**

Priority  
DE 4419612 A 19940603

Abstract (en)  
[origin: US5573660A] A screw conveyor including a feed screw formed, at least partially, as a shankless screw, a jacket surrounding the feed screw and a brush cooperating with the inner surface of the jacket for cleaning the same, with the feed screw including a plurality of substantially band-shaped screw threads extending along an imaginary helical line and arranged, when viewed in a transporting direction, one behind the other with an ever increasing distance from a screw axis so that each two adjacent screw threads form a step therebetween, and with the brush being arranged on the step formed by two outmost screw threads.

IPC 1-7  
**B65G 33/14**; B65G 33/26; E03F 5/14

IPC 8 full level  
**B65G 33/14** (2006.01); **B65G 33/26** (2006.01); **E03F 5/14** (2006.01)

CPC (source: EP US)  
**B65G 33/265** (2013.01 - EP US); **E03F 5/14** (2013.01 - EP US)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**US 45707195 A 19950601**; AT 95103906 T 19950317; DE 4419612 A 19940603; DE 59500834 T 19950317; EP 95103906 A 19950317; HU 9501630 A 19950602